

ANNUAL REPORT OF OPERATIONS FOR YEAR 2016
Idaho Aquaculture Permit

I. Facility Name: Mackay State Fish Hatchery	NPDES # IDG 130030
Operator Name (Permittee): Idaho Department of Fish and Game	Phone: 208-588-2219
Address: 4848 N. 5600 W., Mackay, Idaho 83251	Fax: N/A
	E-Mail: mick.hoover@idfg.idaho.gov
Owner Name (if different from operator): N/A	Phone: N/A

II. Annual Production:	Harvestable weight produced in the year 91,194 pounds
III. Food Used:	Number of pounds of food fed to the fish during the maximum month: April 2016: 15,553.9 pounds

IV. Noncompliance Summary:

Parameters outlined in the WLA for temperature cannot be met by the inherent nature of the spring water source contained within the hatchery property. A Big Lost River TMDL Addendum was submitted Aug. 2011 to USEPA by IDEQ (Troy Saffie, Regional Water Quality Mgr., 900 N. Skyline, Suite B, Idaho Falls Idaho 83402) suggesting the removal or change of the WLA for temperature at the IDFG Mackay Fish Hatchery. This continual noncompliance was also addressed Oct. 5th, 2012 with William Teuscher, IDEQ inspector as contracted by USEPA during a routine inspection.

V. Best Management Practices (BMP) Plan

BMP Plan has been reviewed this year. X Yes No
 BMP Plan fulfills the requirements set forth in the permit: X Yes No
 Summarize changes in the BMP Plan since last annual report:

VI. Land application of solids and/or irrigation with wastewater

Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.) There was no land application of biosolids in 2016

Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
N/A	N/A	N/A	N/A
Yearly Total		N/A	N/A

VII. Offline Settling Basin Discharge Frequency (generally)
 ___0___ #hours/day ___0___ #days/wk ___0___ #months/year or Other

ILIS 1/24/17 JR

VIII. Chemical Usage (including pesticides and drugs)

Chemical	Date or # days used	Maximum concentration in effluent (actual or estimated)
Aquaflor	10 days per treatment (2)	0.0 ppm (no discharge)
Biodet ND64	22 days	0.0 ppm (no discharge)
Argentyne	22days	0.18 ppm (est.)

IX. Fish Importation, Transport, and Release Permits

Number of permits issued by Idaho Department of Fish and Game during the year: 6

For which species? *Golden Trout Oncorhynchus mykiss aguabonita*, *Yellowstone Cutthroat Trout O. clarkia bouvieri*, *Rainbow Trout O. mykiss*, *tiger trout Salvelinus fontinalis x Salmo trutta*, *Brook Trout S. fontinalis*; *Grayling Thymallus articus*

X. Inspections and Repairs for production and wastewater treatment systems

Date Inspected	Date Repaired	Description of system inspected and/or repaired
N/A	N/A	N/A

XI. Signature & Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature:



Title/Company:

IDFG Assistant Hatchery Manager

Print Name: *Robert Hoover*

Date: *January 11, 2017*

ANNUAL REPORT OF OPERATIONS FOR YEAR: 2016 Idaho Aquaculture Permit			
I. Facility Name: Grace Fish Hatchery		NPDES # IDG 130035	
Operator Name (Permittee): Idaho Department of Fish and Game		Phone: (208) 427-6364	
Address: 390 Fish Hatchery Lane Grace, Idaho 83241		Fax: N/A	
		E-Mail: Malia.gallagher@idfg.idaho.gov	
Owner Name (if different from operator):		Phone: (208) 427-6364	
II. Annual Production:		Harvestable weight produced in the year: 107,969 pounds (Reference IDFG Resident Fish Hatcheries Annual Production Report, 2016)	
III. Food Used:		Number of pounds of food fed to the fish during the maximum month: 12,012 pounds (Reference 2016 monthly production records on file at Grace Fish Hatchery)	
IV. Noncompliance Summary:			
Include description & dates of noncompliance, the reasons for such incident, and the steps taken to correct the problem. Attach additional pages, if necessary. N/A			
V. Best Management Practices (BMP) Plan			
BMP Plan has been reviewed this year: Yes BMP Plan fulfills the requirements set forth in the permit: Yes Summarize changes in the BMP Plan since last annual report: N/A			
VI. Land application of solids and/or irrigation with wastewater			
Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.)			
Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
Yearly Total		N/A	N/A
VII. Offline Settling Basin Discharge Frequency (generally): N/A - #hours/day - #days/wk - #months/year or Other			

ICIS 1/19/17 JR

VIII. Chemical Usage (including pesticides and drugs):

Reference 2015 chemical use log sheets on file at Grace Fish Hatchery

Chemical	Date or # days used	Maximum concentration in effluent (actual or estimated)
Virkon Aquatic Formalin	365 31	0 ppb (actual) 676 ppb (actual)

IX. Fish Importation, Transport, and Release Permits

Number of permits issued by Idaho Department of Fish and Game during the year: 8 permits

For which species? A) Rainbow Trout *Oncorhynchus mykiss* - 6 permitsB) Lake Trout *Salvelinus namaycush* - 2 permit


(Reference 2016 monthly production records on file at Grace Fish Hatchery)

X. Inspections and Repairs for production and wastewater treatment systems

Date Inspected	Date Repaired	Description of system inspected and/or repaired
Monthly	N/A	The following are visually inspected for damage and/or repairs: Hatchery water supply system and all associated piping and valves; all raceways and associated quiescent zones, screens, boards, standpipes and valves; settling basin, Cipolletti weir and staff gauge; product and feed storage areas; chemical storage area and associated equipment.

XI. Signature & Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: Fish Hatchery Manager Idaho Department of Fish & Game
Print Name: Malia Gallagher	Date: 01/9/2017

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JAN 19 2016

ANNUAL REPORT OF OPERATIONS FOR YEAR 2015**Idaho Aquaculture Permit**U.S. EPA REGION 10
Office of Compliance and Enforcement

I. Facility Name: Mackay State Fish Hatchery		NPDES # IDG 130030	
Operator Name (Permittee): Idaho Department of Fish and Game		Phone: 208-588-2219	
Address: 4848 N. 5600 W., Mackay, Idaho 83251		Fax: N/A	
		E-Mail: mick.hoover@idfg.idaho.gov	
Owner Name (if different from operator): N/A		Phone: N/A	
II. Annual Production:		Harvestable weight produced in the year 81,351 pounds	
III. Food Used:		Number of pounds of food fed to the fish during the maximum month: April 2015: 14,280 pounds	
IV. Noncompliance Summary:			
Parameters outlined in the WLA for temperature cannot be met by the inherent nature of the spring water source contained within the hatchery property. A Big Lost River TMDL Addendum was submitted Aug. 2011 to USEPA by IDEQ (Troy Saffle, Regional Water Quality Mgr., 900 N. Skyline, Suite B, Idaho Falls Idaho 83402) suggesting the removal or change of the WLA for temperature at the IDFG Mackay Fish Hatchery. This continual noncompliance was also addressed Oct. 5 th , 2012 with William Teuscher, IDEQ inspector as contracted by USEPA during a routine inspection.			
V. Best Management Practices (BMP) Plan			
BMP Plan has been reviewed this year.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
BMP Plan fulfills the requirements set forth in the permit:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Summarize changes in the BMP Plan since last annual report:			
VI. Land application of solids and/or irrigation with wastewater			
Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.) There was no land application of biosolids in 2015			
Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
N/A	N/A	N/A	N/A
Yearly Total		N/A	N/A
VII. Offline Settling Basin Discharge Frequency (generally)			
___0___ #hours/day ___0___ #days/wk ___0___ #months/year or Other			

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VIII. Chemical Usage (including pesticides and drugs)

Chemical	Date or # days used	Maximum concentration in effluent (actual or estimated)
Formalin with Aquashade	21 days 21 days	8.1 ppm (est.) 0.0007 ppm (est.)
Aquaflor	10 days per treatment (2)	0.0 ppm (no discharge)
Biodet ND64	17 days	0.0 ppm (no discharge)
Argentyne	17 days	0.18 ppm (est.)

IX. Fish Importation, Transport, and Release Permits

Number of permits issued by Idaho Department of Fish and Game during the year: 6
For which species? *Golden Trout Oncorhynchus mykiss aguabonita*; *Yellowstone Cutthroat Trout O. clarkii bouvieri*; *Rainbow Trout O. mykiss*; *Grayling Thymallus arcticus*, *Brook Trout Salvelinus fontinalis*; *tiger trout S. fontinalis x Salmo trutta*

X. Inspections and Repairs for production and wastewater treatment systems

Date Inspected	Date Repaired	Description of system inspected and/or repaired
N/A	N/A	N/A

XI. Signature & Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature:



Title/Company:

IDFG Assistant Hatchery Manager

Print Name: Robert Hoover

Date: January 11, 2016

ANNUAL REPORT OF OPERATIONS FOR YEAR 2014
Idaho Aquaculture Permit

I. Facility Name: Mackay State Fish Hatchery	NPDES # IDG 130030
Operator Name (Permittee): Idaho Department of Fish and Game	Phone: 208-588-2219
Address: 4848 N. 5600 W., Mackay, Idaho 83251	Fax: N/A
	E-Mail: mick.hoover@idfg.idaho.gov
Owner Name (if different from operator): N/A	Phone: N/A

II. Annual Production: Harvestable weight produced in the year 77,965 pounds

III. Food Used: Number of pounds of food fed to the fish during the maximum month: April 2014: 11,759 pounds

IV. Noncompliance Summary:

Parameters outlined in the WLA for temperature cannot be met by the inherent nature of the spring water source contained within the hatchery property. A Big Lost River TMDL Addendum was submitted Aug. 2011 to USEPA by IDEQ (Troy Saffle, Regional Water Quality Mgr., 900 N. Skyline, Suite B, Idaho Falls Idaho 83402) suggesting the removal or change of the WLA for temperature at the IDFG Mackay Fish Hatchery. This continual noncompliance was also addressed Oct. 5th, 2012 with William Teuscher, IDEQ inspector as contracted by USEPA during a routine inspection.

V. Best Management Practices (BMP) Plan

BMP Plan has been reviewed this year. ☒ Yes
 BMP Plan fulfills the requirements set forth in the permit: ☒ Yes
 Summarize changes in the BMP Plan since last annual report:

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No
 No
JAN 21 2015

U.S. EPA REGION 10
 Office of Compliance and Enforcement

VI. Land application of solids and/or irrigation with wastewater

Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.) There was no land application of biosolids in 2014

Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
N/A	N/A	N/A	N/A
Yearly Total		N/A	N/A

VII. Offline Settling Basin Discharge Frequency (generally)

0 #hours/day 0 #days/wk 0 #months/year or Other

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ANNUAL REPORT OF OPERATIONS FOR YEAR 2013 Idaho Aquaculture Permit			
I. Facility Name: Mackay State Fish Hatchery		NPDES # IDG 130030	
Operator Name (Permittee): Idaho Department of Fish and Game		Phone: 208-588-2219	
Address: 4848 N. 5600 W., Mackay, Idaho 83251		Fax: 208-588-2408	
		E-Mail: mick.hoover@idfg.idaho.gov	
Owner Name (if different from operator): N/A		Phone: N/A	
II. Annual Production:		Harvestable weight produced in the year 74,772 pounds	
III. Food Used:	Number of pounds of food fed to the fish during the maximum month: April 2013: 11,671 pounds		
IV. Noncompliance Summary:			
Parameters outlined in the WLA for temperature cannot be met by the inherent nature of the spring water source contained within the hatchery property. A Big Lost River TMDL Addendum was submitted Aug. 2011 to USEPA by IDEQ (Troy Saffle, Regional Water Quality Mgr., 900 N. Skyline, Suite B, Idaho Falls Idaho 83402) suggesting the removal or change of the WLA for temperature at the IDFG Mackay Fish Hatchery. This continual noncompliance was also addressed Oct. 5 th , 2012 with William Teuscher, IDEQ inspector as contracted by USEPA during a routine inspection.			
V. Best Management Practices (BMP) Plan			
BMP Plan has been reviewed this year.		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
BMP Plan fulfills the requirements set forth in the permit:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Summarize changes in the BMP Plan since last annual report:			
VI. Land application of solids and/or irrigation with wastewater			
Attach Maps of Application Sites. (Note: IDAPA 58.01.02.650 requires IDEQ approval for solids disposal on land.) There was no land application of biosolids in 2013			
Date	Location and Acreage of Application	Solids Applied in Cubic Yards or Pounds	Wastewater Applied in Gallons
N/A	N/A	N/A	N/A
Yearly Total		N/A	N/A

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